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Steven P. Ketchpel, Hector Garcia-Molina, Andreas Paepcke

 July 1997 **Proceedings of the second ACM international conference on Digital libraries**

Full text available: pdf(1.49 MB)

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### 2 [Secure and selective dissemination of XML documents](#)

Elisa Bertino, Elena Ferrari

 August 2002 **ACM Transactions on Information and System Security (TISSEC)**, Volume 5 Issue 3

Full text available: pdf(678.34 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

XML (*eXtensible Markup Language*) has emerged as a prevalent standard for document representation and exchange on the Web. It is often the case that XML documents contain information of different sensitivity degrees that must be selectively shared by (possibly large) user communities. There is thus the need for models and mechanisms enabling the specification and enforcement of access control policies for XML documents. Mechanisms are also required enabling a secure and selective dissemina ...

**Keywords:** Access control, XML, secure distribution

### 3 [Digital rights management for content distribution](#)

Qiong Liu, Reihaneh Safavi-Naini, Nicholas Paul Sheppard

 January 2003 **Proceedings of the Australasian information security workshop conference on ACSW frontiers 2003 - Volume 21**

Full text available: pdf(224.63 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Transferring the traditional business model for selling digital goods linked to physical media to the online world leads to the need for a system to protect digital intellectual property. Digital Rights Management(DRM) is a system to protect high-value digital assets and control the distribution and usage of those digital assets. This paper presents a review of the current state of DRM, focusing on security technologies, underlying legal implications and main obstacles to DRM deployment with the ...

**Keywords:** DRM, digital content

4 Access Control Management and Models: Towards usage control models: beyond traditional access control

Jaehong Park, Ravi Sandhu

June 2002 **Proceedings of the seventh ACM symposium on Access control models and technologies**

Full text available:  [pdf\(246.23 KB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we develop the concept of Usage Control (UCON) that encompasses traditional access control, trust management, and digital rights management and goes beyond them in its definition and scope. While usage control concepts have been mentioned off and on in the security literature for some time, there has been no systematic treatment so far. By unifying these three areas UCON offers a promising approach for the next generation of access control. Traditional access control has focused on ...

5 HyperNews: a MEDIA application for the commercialization of an electronic newspaper

Jean-Henry Morin, Dimitri Konstantas

February 1998 **Proceedings of the 1998 ACM symposium on Applied Computing**

Full text available:  [pdf\(2.74 MB\)](#)


Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** agents, copyright protection, electronic publishing

6 A functional taxonomy for software watermarking

Jasvir Nagra, Clark Thomborson, Christian Collberg

January 2002 **Australian Computer Science Communications , Proceedings of the twenty-fifth Australasian conference on Computer science - Volume 4**,  
Volume 24 Issue 1

Full text available:  [pdf\(1.19 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Despite the recent surge of interest in digital watermarking technology from the research community, we lack a comprehensive and precise terminology for software watermarking. In this paper, we attempt to fill that gap by giving distinctive names for the various protective functions served by software watermarks: Validation Mark, Licensing Mark, Authorship Mark and Fingerprinting Mark. We identify the desirable properties and specific vulnerabilities of each type of watermark, and we illustrate ...

**Keywords:** authentication, fingerprint, software authorship, software licensing, steganography, watermark

7 Controlled access and dissemination of XML documents

Elisa Bertino, Silvana Castano, Elena Ferrari, Marco Mesiti

November 1999 **Proceedings of the second international workshop on Web information and data management**

Full text available:  [pdf\(758.12 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

XML (eXtensible Markup Language) is becoming the most relevant standardization effort in the area of document representation through markup languages. Through XML, it is possible to define complex documents, containing information at different degrees of sensitivity. Moreover, the processes of document exchange and acquisition, which can be very frequent in Web-based information systems, are simplified and standardized. In this scenario, there is a strong need for policies ...

**8** Privacy, information technology, and health care

Thomas C. Rindfleisch

August 1997 **Communications of the ACM**, Volume 40 Issue 8Full text available:  pdf(561.04 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)**9** Multicast group membership management

Joshua Auerbach, Madan Gopal, Marc Kaplan, Shay Kutten

February 2003 **IEEE/ACM Transactions on Networking (TON)**, Volume 11 Issue 1Full text available:  pdf(408.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Multicast services, assisted by special hardware, are being considered as a part of high-speed wide-area networks (WANs) in order to support new generations of multiuser applications. This paper describes an application multicast service for high-speed WANs which is capable of exploiting multicast hardware. Indeed, this research was conducted in context of the spanning tree hardware structure of PARIS and of planET, the pioneering broadband experimental networks that predated ATM. The results of ...

**Keywords:** broadband, broadcast, distributed algorithms, distributed control, group communication, multicast, protocols

**10** Digital access to antiquities

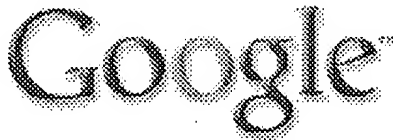
Henry M. Gladney, Fred Mintzer, Fabio Schiattarella, Julián Bescós, Martin Treu

April 1998 **Communications of the ACM**, Volume 41 Issue 4Full text available:  pdf(1.01 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

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### MPA PRESS VOL 1 NO 1 SEPTEMBER 1997, TECH TALK

... In an effort to enable electronic distribution, IBM has developed a fairly elaborate solution called the **Cryptolope**. This neologism ...  
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... WM **Cryptolope**: where are you? ... Hi, it seems that all the IBM site to go to the **Cryptolope** software are broken or the software has been removed? ...  
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### IBM Cryptolopes(TM) and SuperDistribution

... **Cryptolope** TM - a cryptographic envelope. ... Buying" a **Cryptolope**. The **Cryptolope** user's PC (UPC) and RCC participate in a "buy" transaction as follows: ...  
[www.research.ibm.com/people/k/kaplan/cryptolope-docs/crypap.html](http://www.research.ibm.com/people/k/kaplan/cryptolope-docs/crypap.html) - 24k - [Cached](#) - [Similar pages](#)  
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### Cryptolope Containers (Cont'd)

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### Chapter 13. Java and Cryptolopes

... **Cryptolope** Live! product, the latest evolution of **Cryptolope** technology.  
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IBM makes **cryptolope** deal | IBM will announce a deal with several providers of digital container technology that will allow their products to work with its ...  
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### Hackers can't interlope a Cryptolope | CNET News.com

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### [PDF] Secure transfer of digital originals

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 ... Page 6. © IBM Research, {sti, wmi}@zurich.ibm.com, 09/24/97 94 **Cryptolope** Transaction  
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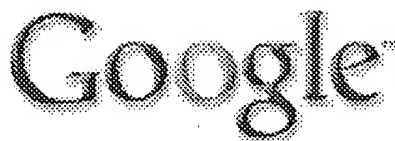
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... the following functions: Battery **recharge** · Recharging indicator ... A **smart card** is a type of plastic **card** ... Area Order Information **Satellite** Receivers Secure ...  
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... **Cable & Wireless** Optus Utilizes ACI Worldwide Solution to **Recharge** Phone Cards at ATM. Bank Of America Selects ACI **Smart Card** Management System. ...  
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 Norwegian **Smart Card** Issuer to Use Mondex Solution from ACI Worldwide. Monday, August 30, 1999. (OMAHA, Neb.-August 30, 1999)-ACI ...  
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